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Standard Analog Video Cable

RG-59/U Type

Jameco Part Number 232910 (8241-010-500)

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
23 AWG Solid .023″ Bare Copper or Bare Copper-covered Steel Conductor (see below) • 95% Bare Copper Braid Shield																			
Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 75°C)	**8241**	NEC: CMX CEC: CMX	100 U-500 500 U-1000▲ 1000 2000 5000	30.5 U-152.4 152.4 U-304.8 304.8 609.6 1524.0	5.0 20.5 22.5 40.0 41.0 82.0 205.0	2.3 9.3 10.2 18.2 18.6 37.3 93.2	23 AWG (solid) .023″ BCCS 49.0Ω/M′ 160.7Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.6Ω/M′ 8.5Ω/km	.242	6.15	75	66%	20.5	67.3	1 10 50 100 200 400 700 900 1000	.6 1.1 2.4 3.4 4.9 7.0 9.7 11.1 12.0	2.0 3.6 7.9 11.2 16.1 23.0 31.8 36.4 39.4
Flame-retardant Semi-foam Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 75°C)	**8241A**	NEC: CMG CEC: CMG FT4	U-1000 1000	U-304.8 304.8	42.0 43.0	19.1 19.5	23 AWG (solid) .023″ BCCS 49.0Ω/M′ 160.7Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.6Ω/M′ 8.5Ω/km	.242	6.15	75	66%	20.5	67.3	1 5 10 50 100 200 400 700 900 1000	.6 .9 1.1 2.4 3.4 4.9 7.0 10.1 11.7 13.2	2.0 3.0 3.6 7.9 11.2 16.1 23.0 33.1 38.2 43.3
Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 80°C)	**8241B**	NEC: CM CEC: CM	U-1000 1000	U-304.8 304.8	37.0 38.0	16.8 17.3	23 AWG (solid) .023″ BC 20.4Ω/M′ 66.9Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.9Ω/M′ 9.5Ω/km	.242	6.15	75	66%	20.5	67.3	1 10 50 100 200 400 700 900 1000	.4 1.1 2.4 3.4 4.9 7.0 9.7 11.1 12.0	1.3 3.6 7.9 11.2 16.1 23.0 31.8 36.4 39.4
22 AWG Stranded (7x30) .030″ Bare Copper • 95% Bare Copper Braid Shield																			
Foam Polyethylene Insulation • PVC Jacket (Available in Matte Black, Red, Blue, Green, White, Gray or Yellow)																			
High-Flex 60°C	**8241F**		1000	304.8	34.0	15.5	22 AWG (7x30) .030″ BC 15.0Ω/M′ 49.2Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.6Ω/M′ 8.5Ω/km	.242	6.15	75	78%	17.3	56.8	1 10 50 100 200 400 700 900 1000	.3 .9 2.1 3.0 4.5 6.6 8.9 10.1 10.9	1.0 3.0 6.9 9.8 14.8 21.7 29.2 33.1 35.8
23 AWG Solid .023″ Bare Copper-covered Steel Conductor • 97% Bare Copper Braid Shield																			
Plenum • FEP Insulation • Black FEP Jacket																			
200°C	**88241**	NEC: CMP CEC: CMP FT6	500† 1000†	152.4 304.8	20.5 40.0	9.3 18.2	23 AWG (solid) .023″ BCCS 49.0Ω/M′ 160.7Ω/km	.132	3.35	BC Braid 97% Shield Coverage 2.6Ω/M′ 8.5Ω/km	.190	4.83	75	69.5%	19.5	64.0	1 10 50 100 200 400 700 900 1000	.5 1.0 2.3 3.3 5.2 8.4 11.6 13.8 14.8	1.6 3.3 7.5 10.8 17.1 27.6 38.0 45.3 48.5
Suitable for Outdoor and Direct Burial applications.																			
Plenum • FEP Insulation • Natural Flamarrest® Jacket																			
75°C	**82241**	NEC: CMP CEC: CMP FT6	U-500† U-1000† 1000†	U-152.4 U-304.8 304.8	16.0 32.0 32.0	7.3 14.5 14.5	23 AWG (solid) .023″ BCCS 49.0Ω/M′ 160.7Ω/km	.132	3.35	BC Braid 97% Shield Coverage 2.6Ω/M′ 8.5Ω/km	.190	4.83	75	69.5%	19.5	64.0	1 10 50 100 200 400 700 900 1000	.5 1.0 2.3 3.3 5.2 8.4 11.6 13.8 14.8	1.6 3.3 7.5 10.8 17.1 27.6 38.0 45.3 48.5

For Plenum versions of 8241, see 88241 or 82241.

▲U-1000 ft. put-up also available in Red, Yellow, Green, Lt. Blue, White or Orange.

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

†Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.